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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/689,168	10/20/2003	Milind M. Buddhikot	Buddhikot 10-3-5-3-12-13	9461
46363 7590 06/29/2007 PATTERSON & SHERIDAN, LLP/ LUCENT TECHNOLOGIES, INC 595 SHREWSBURY AVENUE SHREWSBURY, NJ 07702			EXAMINER RUSSELL, WANDA Z	
			ART UNIT 2616	PAPER NUMBER
			MAIL DATE 06/29/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/689,168

Applicant(s)

BUDDHIKOT ET AL.

Examiner

Wanda Z. Russell

Art Unit

2616

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 20 October 2003 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. ____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) ✓
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08) ✓
- Paper No(s)/Mail Date 20070619 PTO-152/104.

- 4) ☐ Interview Summary (PTO-413)
- Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: ____.

DETAILED ACTION

Drawings

1. New corrected drawings in compliance with 37 CFR 1.121(d) are required in this application because of the poor printing quality. Applicant is advised to employ the services of a competent patent draftsman outside the Office, as the U.S. Patent and Trademark Office no longer prepares new drawings. The corrected drawings are required in reply to the Office action to avoid abandonment of the application. The requirement for corrected drawings will not be held in abeyance.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. **Claims 1-3, 9-11, and 15-20** are rejected under 35 U.S.C. 102(e) as being anticipated by Ozugur (Pub No. US 2003/0202505).

For **claim 1**, Ozugur teaches a gateway (DSG 36 or 37-Fig. 2. For DSG, see [0022], line 9) for mobile communications (Fig. 2), comprising:

a cache ([0021], line 6) for storing (maintain, [0021], line 8) network data ([0021], line 7) recently downloaded from a network (IP Network, 40-Fig. 2);

a mobile IP foreign agent (DSG 36 or 37-Fig. 2, and [0022], 7th line from the end);

a packet filter (36-Fig. 2, and [0022], line 9) that directs (distribution, [0022], line 9) requests for the network data from a mobile node to the cache ([0022], lines 10-11);

the packet filter directing the requested network data from the cache to the mobile node by way of the foreign agent, without forwarding the requested network data to a home agent of the mobile node ([0023], lines 6-10).

For **claim 2**, Ozugur teaches the gateway of claim 1, further comprising a storage device ([0008], lines 3-4) that stores a state of the mobile node, the state of the mobile node being updated ([0021], line 9) in the storage device when the mobile node moves from the proximity of the gateway to the proximity of a second gateway having a second foreign agent ([0018], lines 6-8),

wherein the packet filter directs the requested network data from the cache to the mobile node by way of the second foreign agent, without forwarding the requested network data to the first foreign agent or a home agent of the mobile node, while the mobile node is in the proximity of the second gateway ([0018], lines 6-8, and [0023], lines 6-7).

For **claim 3**, Ozugur teaches the gateway of claim 2, wherein the state of the mobile node in the storage device is updated in response to a message from the second gateway ([0021], line 9).

For **claim 9**, it is a means claim corresponding to claim 1, therefore it is rejected for the same reason above.

For **claim 10**, it is a means claim corresponding to claim 2, therefore it is rejected for the same reason above.

For **claim 11**, it is a means claim corresponding to claim 3, therefore it is rejected for the same reason above.

For **claim 15**, it is a method claim corresponding to claim 1, therefore it is rejected for the same reason above.

For **claim 16**, it is a method claim corresponding to claim 2, therefore it is rejected for the same reason above.

For **claim 17**, it is a method claim corresponding to claim 2, therefore it is rejected for the same reason above.

For **claim 18**, it is a computer readable medium claim corresponding to claim 1, therefore it is rejected for the same reason above.

For **claim 19**, it is a computer readable medium claim corresponding to claim 2, therefore it is rejected for the same reason above.

For **claim 20**, it is a computer readable medium claim corresponding to claim 2, therefore it is rejected for the same reason above.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. **Claims 4-8, and 12-14** are rejected under 35 U.S.C. 103(a) as being unpatentable over Ozugur (Pub No. US 2003/0202505), in view of Forslow (U.S. Patent 6,954,790).

For **claim 4**, Ozugur teaches everything claimed as applied above (see claim 1).

However, Ozugur fails to specifically teach the gateway of claim 1, wherein the packet filter adds at least one packet-mangling rule to a set of firewall policies associated with the mobile node.

Forslow teaches the gateway of claim 1, wherein the packet filter adds at least one packet-mangling rule to a set of firewall policies associated with the mobile node (col. 5, lines 51-56).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine [Ozugur] with [Forslow] to obtain the invention as specified, to provide robust security for the local portion of workgroup networks and their individual server resources.

For **claim 5**, Ozugur and Forslow teach everything claimed as applied above (see claim 1, and 4). In addition, Forslow teaches the gateway of claim 4, wherein the at least one packet-mangling rule is user-specific (col. 5, line 51).

For **claim 6**, Ozugur and Forslow teach everything claimed as applied above (see claim 1, 4, and 5). In addition, Ozugur teaches the gateway of claim 5, wherein the gateway has at least one port for coupling directly or indirectly to an 802.11 access point ([0015], line 5).

For **claim 7**, Ozugur teaches everything claimed as applied above (see claim 1).

However, Ozugur fails to specifically teach the gateway of claim 1, wherein the packet filter performs multi-level filtering.

Forslow teaches the gateway of claim 1, wherein the gateway of claim 1, wherein the packet filter performs multi-level filtering (col. 14, line 3).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine [Ozugur] with [Forslow] to obtain the invention as specified, to provide robust security for the local portion of workgroup networks and their individual server resources.

For **claim 8**, Ozugur teaches everything claimed as applied above (see claim 1).

However, Ozugur fails to specifically teach the gateway of claim 1, wherein the packet filter performs network layer filtering and one of the group consisting of transport layer filtering and application layer filtering.

Forslow teaches the gateway of claim 1, wherein the packet filter performs network layer filtering (WG Tier, col. 13, lines 33-34, and 27-30) and one of the group consisting of transport layer filtering (MVPN Tier, col. 13, line 30) and application layer filtering (ServiceNet Tier, col. 13, line 30).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine [Ozugur] with [Forslow] to obtain the invention as specified, to provide robust security for the local portion of workgroup networks and their individual server resources.

For **claim 12**, it is a means claim corresponding to claim 4, therefore it is rejected for the same reason above.

For **claim 13**, it is a means claim corresponding to claim 5, therefore it is rejected for the same reason above.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Wanda Z. Russell whose telephone number is (571) 270-1796. The examiner can normally be reached on Monday-Thursday 9:00-6:00 EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Seema Rao can be reached on (571) 272-3174. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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